

Name: _____

p1105: Factoring when $a = \text{prime}$ (v13)

1. Factor the expression $11x^2 + 69x + 18$

$$(11x + 3)(x + 6)$$

2. Factor the expression $11x^2 - 80x + 21$

$$(11x - 3)(x - 7)$$

3. Factor the expression $5x^2 - 39x - 8$

$$(5x + 1)(x - 8)$$

4. Factor the expression $11x^2 - 67x + 6$

$$(11x - 1)(x - 6)$$

5. Factor the expression $5x^2 - 46x + 9$

$$(5x - 1)(x - 9)$$

6. Factor the expression $2x^2 + 13x - 24$

$$(2x - 3)(x + 8)$$

7. Factor the expression $5x^2 - 28x + 15$

$$(5x - 3)(x - 5)$$

8. Factor the expression $7x^2 + 27x - 4$

$$(7x - 1)(x + 4)$$

9. Factor the expression $11x^2 - 86x + 63$

$$(11x - 9)(x - 7)$$

10. Factor the expression $5x^2 - 3x - 14$

$$(5x + 7)(x - 2)$$